

HAWKER® MODULAR CHARGERS

KEEP ON GOING!



**EVEN WHEN PART OF
THE TEAM IS MISSING...**



MODULAR: SETTING A NEW STANDARD

PEAK PERFORMANCE AND RELIABILITY

The plug and play modules are managed by the charger's algorithm. Modules are automatically switched on and off to achieve optimum charging performance so peak efficiency is maintained at all times. This modular design approach breaks new ground in hardware reliability. Gone are the days when a minor component failure could render the charger inoperable, if a single module should develop a minor fault, the charger bypasses the module and keeps running at reduced power thus not stopping the charging process and impacting on the smooth running of your business.

REDUCING YOUR ENERGY FOOTPRINT



Hawker® Modular chargers will reduce your battery recharging costs as they consume less electricity and therefore, will also have a positive impact on our environment. The low charging factors and high efficiency (ranks up to 94%) makes the range a cost-saving benchmark. A smart and integrated Power Factor Control (only on 1-phase) reduces reactive energy consumption and AC distortion adding another benefit to your mains rating and energy costs.

OPTIMIZED CHARGING

In addition to the introduction of the new modular range, we have optimized our charging profiles and charging times will be reduced from 1 to 2 hours (depending on battery type). We appreciate that time is one of the biggest cost-driving factors in your business and always keep this in focus. The new range of smart high frequency chargers assures automatic battery identification, increased efficiency and power factor control, reaching the best charging customization along with all the existing high frequency technology benefits.

FLEXIBLE DESIGN AND SIMPLIFIED SERVICE SOLUTION

The modular charger concept adapts to a wide range of battery capacities and allows you to potentially reduce the number of chargers in your fleet. With less chargers, you will free-up valuable space and provide more charging flexibility for some of your material handling equipment fleet. There is more: the self-diagnostics feature on our modular range will flag-up any possible failures and fitting a new module is a simple plug and play operation. Universal -within the range - modules are always available for rapid delivery and replacement.



**“Charging optimization through
advanced modular design”**



4 bay 3-phase charger



LCD Screen



3 bay 1-phase charger



3 bay cabinet interior



1kW Lifetech® charger

KEY FEATURES

CHARGING

- Equalization charge
- Auto-diagnostic
- Conditioning charge
- De-sulphation charge
- Flexible recharge time

FLEXIBILITY

- Multi profile capability
- Multi voltage
- Multi capacity and future-proofing extendable output power
- 1 and 3-phase

COMMUNICATION

- USB to download and upload the data

CONSTRUCTION

- Light and modern design
- Free-standing or wall mounting
- Modular concept
- LCD screen with customer programmable menu
- DC cable holder

GREEN TECHNOLOGY

- Reduce carbon footprint with lower charging factor
- Energy Savings: Efficiency up to 94%
- Reduced Reactive energy consumption with active PFC (only on 1-phase)
- Consumption below 10W in stand-by
- Complying with latest global standards

Lifetech Modular

1 kW Modules

1, 3, 6 bay cabinets
1 Phase - 200-265V

Charger range:
12V, 24V, 36/48 V from 1kW to 6 kW

Application:
Hawker XFC™ blocs, Gel, AGM, standard flooded / Water Less®, heavy duty, Air Mix

3,5 kW Modules

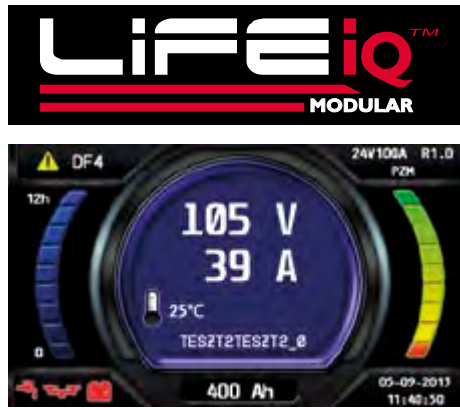
4 and 6 bay cabinets
3 Phase - 400V

Charger range:
24/36/48 V from 3,5kW to 21kW
72/80V from 3,5kW to 21kW

Application: Hawker XFC blocs, Gel, AGM, standard flooded / Water Less®, heavy duty, Air Mix



4 bay 3-phase charger



Multicolour TFT Screen



3 bay 1-phase charger



4 bay cabinet interior



Wi-IQ[®] optional

KEY FEATURES

CHARGING

- Equalization charge
- Auto-diagnostic
- Conditioning charge
- De-sulphation charge
- Flexible recharge time
- Arc less disconnect (optional)
- Suitable for profiles, WaterLess[®] 20 and Hawker[®] XFC[™] 2V
- Automatic temperature adjustment to profile with Wi-IQ[®] Wi-IQ2[®]

FLEXIBILITY

- Multi profile capability; automatic with Wi-IQ[®] Wi-IQ2[®]
- Multi voltage
- Multi capacity and future-proofing extendable output power
- 1 and 3-phase

COMMUNICATION

- Wireless communication between the charger and the battery via the Wi-IQ and Wi-IQ2
- USB to download and upload the data
- Ethernet connection with LifeNetwork[™] (optional)

CONSTRUCTION

- Light and modern design
- Free-standing or wall mounting
- Modular concept
- 4,3" multi colour TFT screen with customer programmable menu
- Background changes colour in line with battery status
- DC cable holder

GREEN TECHNOLOGY

- Reduce carbon footprint with lower charging factor
- Energy Savings: Efficiency up to 94%
- Reduced Reactive energy consumption with active PFC (only on 1-phase)
- Consumption below 10W in stand-by
- Complying with latest global standards

Life IQ Modular

1 kW Modules

3 and 6 bay cabinets
1 Phase - 200-265V

Charger range:
12V, 24CV, 36/48V from 2kW to 6 kW

Application:
Hawker XFC blocs, XFC 2V, Gel, AGM, standard flooded / Water Less, Water Less 20, heavy duty flooded, Air Mix

3,5 kW Modules

4 and 6 bay cabinets
3 Phase - 400V

Charger range:
24/36/48V from 3,5kW to 21kW
72/80V from 3,5kW to 21kW

Application: Hawker XFC blocs, XFC 2V, Gel, AGM, standard flooded / Water Less, Water Less 20, heavy duty flooded, Air Mix

ACCURATE CHARGING FOR ALL APPLICATIONS

The new Lifetech® Modular and Life IQ™ Modular charger ranges from EnerSys represent the best-in-class high frequency charging solution for all applications in the field of material handling equipment, automated guided vehicle systems, cleaning machines and industrial electric vehicles.

The new ranges, designed for wall-mount or free standing, boast as exciting new features, automatic identification and switching of output voltage (within the charger's specification), increased efficiency and power factor control and our most compact size to date.

High-frequency technology has already become a standard requirement for battery charging in the Motive Power industry, the new range of Lifetech Modular and Life IQ Modular chargers raise the bar to a new level. The range offers intelligent charging with advanced efficiency and the flexibility to meet the demands of a changing world.



EnerSys®, global leader in industrial batteries, has over 25 years' experience in pioneering and promoting High Frequency charging technology. The recent success of LifeSpeed IQ™- 7kW modular charger has led to the research and development of 1kW and 3,5kW modular designs to satisfy the wider material handling equipment market and to comply with worldwide standards.

As a result of this extension, EnerSys is now offering a complete range of premium products from 1kW to 42kW with the best efficiency and performance on the market.

Find out more about our products and services at www.enersys-emea.com/motive





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